DRIVING EMBEDDED EXCELLENCE

ETAS

INCA V7.1.1

Release Notes

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1 Introduction

Dear customer, in this file you will find the latest information about our product INCA V7.1.

IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP V10.0 PRIOR TO USING INCA V7.1 WITH HARDWARE

(Note: With the latest hotfix a higher HSP version must be used)

1.1 Definitions and Abbreviations

Term/Abbreviation	Definition
CDM	Calibration Data Manager
EE	INCA Experimental Environment
EHI	ETAS Help Desk International
LiMa	ETAS License Manager
HSP	Hardware Service Pack
HF	Hotfix
HW	Hardware
MDA	INCA Measure and Data Analysis
MIP	Matlab Integration Package
MR	Multi-Recorders
OHI	Open Hardware Integration
OS	Operating System
KIR	**K**nown **I**ssue **R**eport – For severe Problem Reports which occur after a release, ETAS has introduced the Known Issue Report to inform affected customer immediately. The current Known Issues of former versions can be found on the ETAS website: http://www.etas.com/kir
PR	Problem Report
SP	Service Pack
SW	Software
VSD	Variable Selection Dialog
WB	Walkback, Inca system error

1.2 References

none

1.3 Conventions

The following typographical conventions are used in this document:

Choose **File →·Open**.	Menu commands are shown in boldface.
Click **OK**.	Buttons are shown in boldface.
Press <ENTER>.	Keyboard commands are shown in angled brackets.

The "Open File" dialog box is displayed.	Names of program windows, dialog boxes, fields, etc. are shown in quotation marks.
`Select the file setup.exe`	Text in drop-down lists on the screen, program code, as well as path- and file names are shown in the Courier font.
A *distribution* is always a one-dimensional table of sample points.	General emphasis and new terms are set in italics.

1.4 User Documentation

The INCA user's documentation in PDF format can be found on the DVD or in the installation folder on the PC.

It can be called up from INCA via the menu item **? → Manuals and Tutorial** or via the Windows start – menu: **→ Program → ETAS → INCA 7.1 → Manuals and Tutorial.**

2 Product Definition

2.1 Functions at a glance

New functionality of INCA V7.1 is listed in the overview "INCA-V7.0-Whats-new.PDF".

You find the overview "INCA-V7.0-Whats-new.PDF" on the installation DVD in the folder "Documentation" or in the installation folder on the PC.

2.2 General Description

2.2.1 Safety Notice

Calibration activities influence the behavior of the ECU and the systems controlled by the ECU. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.
Only well trained personnel should be allowed to perform calibration activities.

Sending CAN messages influences the behavior of the CAN bus network and the systems connected to it. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.
Only well trained personnel should be allowed to perform CAN message sending activities.

Calibrate measurement (Write to RAM) activities influence the behavior of the ECU and the systems controlled by the ECU. This may result in unexpected behavior of the vehicle and thus can lead to safety critical situations.
Only well trained personnel should be allowed to perform calibrate measurements activities.

2.2.2 System Prerequisites

The following minimum system prerequisites have to be met:

Required Hardware	2 GHz Processor 2 GB RAM DVD-ROM drive (for installation) Network adapter Graphics with a resolution of at least 1024 x 768, 256 MB RAM, 16bit color and DirectX 9
Required Operating System	Windows® XP SP3 (32bit) or higher, Windows® Vista SP1 (32bit) or higher, Windows® 7 SP1 (32 or 64bit) or higher. INCA uses the 32bit compatibility mode on a 64-bit operating system. (English, French, Japanese, Chinese and German OS version supported)
Required Free Disk Space	1 GB (not including the size for user data; absolute min. required, but not recommended)

The following system prerequisites are recommended:

Recommended Hardware	3 GHz Quad-Core Processor or equivalent 4 GB RAM DVD-ROM drive (for installation) Network adapter Graphics with a resolution of at least 1280 x 1024, 1GB RAM, 32bit color and DirectX 9
Recommended Operating System	Windows® 7 SP1 64bit (INCA uses the 32bit compatibility mode on a 64-bit operating system) (English, French, Japanese, Chinese and German OS version supported)
Recommended Free Disk Space	>10 GB
Recommendation on Performance	Investigation on performance showed: - More Memory improves execution time of repetitive operations - SSD hard disks improve the file access times

2.2.3 Software Prerequisites

Important notes:

- In order to use INCA the user needs read and write access to the registry path HKEY_LOCAL_MACHINE\Software\ETAS (for more details about user privileges, please refer to the user manual chapter "User Privileges Required for Installation and Operation").
- If the user wants to switch between INCA 7.1 and former INCA versions on the same PC INCA, the COM server settings in the Windows registry are re-registered with each switch. Therefore to switch version the user needs Admin rights to the PC.

If only one INCA version is used this is not necessary. This is also no longer necessary with INCA 7.1 and later versions.

- Windows 7 Ultimate N
  EHI #97742 Minimum requirement to install INCA is an installation of Microsoft hotfix "Windows6.1-KB968211-x86".
- Hyperthreading is supported
- Multiple monitors may be used, but there is no special functionality in INCA for them.

2.2.4 Restrictions

WINDOWS® 95, WINDOWS® NT, WINDOWS® 98SE and Windows® 2000 are not supported.

The following hardware is no longer supported with Windows7:

- ES300
- KIC2 / ES585
- MAC2
- ES1000.1

INCA does not officially support PCMCIA adapters used in a Desktop PC for connecting the ES580. If communication problems occur with such an installation, ETAS cannot offer a solution. Please check at first whether the installation of the PC adapter and its driver software has been performed successfully.

INCA offers a mdf3 - 4Byte converter that is called MDF4 converter.

This converter converts MDF3 files to a special MDF format using 4 byte variables. This will not convert files to the new ASAM MDFV4.0 format. We have deliberately kept the old MDF4 name in INCA to ensure the COM-API is still compatible with earlier INCA versions.

When using triggers to start or stop a recording, the recording duration has to be at least 3 seconds. In case of a shorter recording duration INCA might not be able to record all events. A period of at least one second is required after a pause event, before the start trigger condition may trigger again. Otherwise INCA does not recognize the pause and does not include an appropriate pause comment into the recorded data file. This may lead to unexpected display results in the MDA.

Since V6.2.0 INCA allows parsing A2L files containing 2-byte characters.

However the following restrictions apply:

- 2-byte strings are not always displayed correctly
- copy and compare of 2-byte strings is only possible if source and destination have the same encoding

MDA/INCA - Calculated Signals:

- It is recommended to use '.' as decimal symbol for defining calculated signals
- Using library functions in formulas might causes some differences in the number of samples
- Measure time as input signal does not work correctly (INCA issue only)
- Dependency view is not able to show more the 5 levels of a cascade
- Using different rasters as bases for calculated signals might cause wrong results

CDF V2.0

- Rescale axis of Vector CDF files are rejected by INCA 6.2 (and subsequent)
  The reason is that Vector writes rescale axis in CDF V2.0 in a different way than INCA.

Write to RAM

- When using CSE for Write to RAM, values in scenarios can be edited only in PHYS representation.

ETAS INCA V7.1.0 introduces a new version of the target server component.

For this reason, with INCA V7.1.0 and ETAS Experiment Environment V3.3 (as well as with earlier versions of the experiment environment) simultaneous online operation will not be possible. E.g., if during bypass operation INCA V7.1.0 is used to measure and to calibrate on an ECU, Experiment Environment V3.3 cannot access the corresponding prototyping hardware (e.g. ES910) at the same time.

Recommendations:

- Use INCA V7.1 in combination with INCA-EIP V7.1 to access both the ECU and the prototyping hardware simultaneously. No compatibility restrictions apply in this case.
- Use INCA V7.0 for parallel operation with Experiment Environment V3.3.
- Use the succeeding version of the Experiment Environment (V3.4, which will be available with LABCAR-OPERATOR V5.2 and INTECRIO V4.4 later in 2013) for parallel operation with INCA V7.1.0.

2.2.5 Miscellaneous

Problems may arise with new scan engines of virus scan tools. To ensure the highest data security for data in the INCA database, the database is directly saved after every data change or access. This leads to a high amount of read/write cycles and this might initiate the scan engine of the virus scan tools to check the differences if the option 'scan all files' is set. This leads to a delay working with INCA. We recommend excluding all files of the INCA database from scanning.

Whenever uninstalling INCA, the included INCA uninstall program should be used. This ensures that all add-ons and other products installed with INCA are also uninstalled (except ETASData and ETAS License Manager). Never delete files or folders manually.

INCA differentiates between online (=visualization) and offline (=recording) data. However, online data may not be complete in high "system load situations". Offline data is being buffered internally and ensured to have no gaps in the recorded data file.

The INCA-MIP add-on (MATLAB Integration Package) uses by default the online data because data is always available for all devices at all times. For switching to offline data, an API command is available.

For Rapid prototyping purposes, the ES4xx module chain can be connected directly to the ES910. For measurement with INCA the ES4xx module chain shall be connected directly to the measurement setup (i.e. ES600)

The documentation provided in the PDF format can be viewed and printed using the Adobe Acrobat Reader, which is available free of charge at http://www.adobe.com

Updates for manuals in the PDF format won't be delivered with INCA refreshes to reduce the size of the file for download.

2.3 Delivery

The INCA software is delivered with an automatic installation routine on a DVD including the INCA software, documentation, tools, utilities, and further information. All software documentation is available in the Portable Document Format (PDF), which requires Adobe® Reader®.

If the installation routine does not start automatically execute the `autostart.exe` program on the DVD manually. Select your preferred language, then **Installation** and finally select **INCA V7.1 installation** first. The Hardware Service Pack (**HSP V10.0.0 Installation**) has also to be installed for proper operation.

2.3.1 Used 3rd Party Software

The 3rd Party Software used by INCA and its add-ons is listed in the document:

Open_Source_Software_in_INCA_7.1.pdf

2.4 Installation

For details on installation select (after the automatic installation started from DVD) **Documentation → Getting Started INCA V7.1** , Chapter "Installing the Program" (or in INCA_Manual_R7.1_xx.pdf, Chapter "Installing the Programm")

Please check also Chapter 10 (Troubleshooting) with information about setting of network adapter and personal firewall or what you can do if firewall block ETAS hardware and search for Ethernet hardware fails.

2.4.1 Important Installation Hints

- After the installation a reboot is required. This is also true for hotfix installations.
- MDA is no longer installed automatically with INCA.
  MDA is delivered on a separate CD, and must be installed independently.
- User shall not install/uninstall licenses while licensed software is online.
  Recommendation: Shut down product and manage licenses then.

2.4.2 Related Components

Firmware

IT IS NECESSARY TO UPDATE ALL FIRMWARE USING HSP V10.0 PRIOR TO USING INCA V7.1 WITH HARDWARE.

The Hardware Service Pack (HSP) V10.0 is also included on the installation DVD.

ES4xx and ES6xx (Daisy-Chain) Support

Support of these modules is provided by a separate Daisy-Chain add-on.

The INCA installation medium contains the latest version of the add-on available on the release date of INCA. It is installed automatically during the INCA installation. For new versions of the Daisy-Chain add-on please check our website. It is part of the INCA Service Pack.

ETK Support

Driver and configuration support of ETK/XETK modules is provided by a separate add-on 'ETK Drivers&Tools' (important hint: the ETK configuration tool is only available, when the add-on is installed). Additional (X)ETK tools or driver to support new (X)ETKs may become available independent of INCA releases.

This installation medium contains the latest version of the 'ETK Drivers&Tools' add-on available on the date this INCA version is released. The add-on is installed automatically during the installation of INCA. For new versions of the 'ETK Drivers&Tools' add-on please check our website. It is part of the INCA Service Pack.

2.5 Licensing

INCA, MDA and some INCA add-ons are protected via electronic licensing.

In order to run and use the products, a license file is required that needs to be installed via the ETAS License Manager. The license manager is opened during the installation and can also be started at a later point as an external program located in the ETAS program folder in the Start menu.

The license file can be obtained through a self service portal on the ETAS website by using the software entitlement you received during the order process or it is provided by your tool coordinator.

3 Changes

This chapter describes changes with respect to the previous version of INCA V7.1.0.

3.1 What's New

See What's New slides of INCA: Select **Version Info → What's new presentation** on the automatic installation from DVD or INCA-V7.1-Whats-new.pdf.

3.2 Compatibility to Earlier Releases

In general compatibility to other INCA versions has been taken into account.
Known exceptions are: Experiments updated to INCA V7.1 cannot be used with former INCA versions. A back-porting mechanism is available: oscilloscopes are replaced by measurement tables.

For more details see Getting Started INCA Chapter *"New YT and XY Oscilloscope".* especially section "*Compatibility and conversion*"

3.3 Known Issue Reports

If a product issue develops, ETAS will prepare a Known Issue Report (KIR) and post it on the internet. The report includes information regarding the technical impact and status of the solution. Therefore you must check the KIR applicable to this ETAS product version and follow the relevant instructions prior to operation of the product.

The Known Issue Report (KIR) can be found here:

http://www.etas.com/kir

3.4 Known Issues

This section describes the set of known problems of the released version of INCA V7.1.0

3.4.1 Software related Items

Problem Number	**Title**
EHI #330173	INCA 7.1 Crashes when importing Workspace In seldom case it might happen, that an import of a workspace will crash INCA sporadically (depends on project, installation, system)
EHI #326775	INCA Crash During Morphee "Full Scan" INCA Crash During Morphee "Full Scan" if MCD3 Server Options are set to "INCA Workspace Search" = "All Folders" and "INCA Project Search" = "All Folders".
EHI #74310	Electronic Licensing - Valid local license not found when LAN connection deactivated If the LAN connection may be automatically deactivated when the ethernet cable is not plugged anymore. When using electronically licensed software products depending on the MAC-address, the application does not find a valid license and cannot be started because the MAC address cannot be identified. Ethernet adapter has to be active.

EHI #2008404287	Excessive RAM usage with combined editor - accumulaton over long period of time (with many cycles) With INCA 7.0 the memory leak is fixed for the table part. For the graphical part the memory leak is not solvable. For test bench applications the combined editor must be used in the "table only" mode.

3.4.2 Hardware related Items

Problem Number	**Title**
EHI #332668	ES581 Multi-Client Support The multi-client functionality for ES581.3 is temporarily disabled. When two clients are in use with ES581.3 (for example INCA, IPETRONIK Add-On or BUSMASTER) it is not possible to configure the channels independently. When only one client is used (for example INCA) it is possible to configure the channels independently. This is a known issue and the solution for this will be shipped along with a Service Pack of INCA V7.1

4 Hints

4.1 Compatibility with other INCA versions

- INCA V7.1 introduces new functionality
- When designing and implementing this functionality, compatibility to other INCA versions has been taken into account
- Exchange of export files or databases with other INCA versions is possible
  - Easy, safe, and fast migration to INCA V7.1
  - Projects created in former INCA V6.x / V7.0 versions can be reused
  - Up and downward* compatibility allows using INCA in distributed development projects

    * Known exceptions are:
    Experiments updated to INCA V7.1 cannot be used with former INCA versions. A back-porting mechanism is available, which replaces oscilloscopes by measurement tables.

5 Refresh Information

A refresh installation updates an INCA 7.1 installation.

Important: It requires a full INCA V7.1 installation.

All refresh software updates are cumulative. The most recent refresh incorporates any changes introduced by previous refreshes.

At the same time other INCA Add-Ons will also be updated. The INCA V7.1 base installation and Add-On installation will be updated with help of the INCA Service Pack.

The following issues have been fixed in INCA V7.1.x refreshes as listed below.

5.1 INCA V7.1.1

5.1.1 Recommended Installation

It is recommended to install the update the complete INCA V7.1 with help of the Service Pack (installer) of INCA V7.1 SP 1.

5.1.2 News

5.1.3 New Features

See What's News slides INCA V7.1 SP01 (INCA-V7.1-SP01-Whats-new.pdf)

Summary/Key points:

- XCP-on-Ethernet Flashing (Prof)
- XCP Flashing over Ethernet
- Make timeout for XCP Program_clear configurable in the Prof configuration
- ODX Database for WWH-OBD (ISO 27145)
- Limited EMU RAM - different overlay sizes
- Limited EMU RAM - dynamic calculation of different overlay sizes
- Limited EMU RAM - free no longer used overlay sections

5.1.4 Known Issues

No new issues

5.1.5 Bug Fixes and Improvements

EHI #	Title
87145	Test improvement ASAMMCD3MCV21: INCA consumes too much RAM using MCD3
95691	Wrong file ending for secondary recording format MDF 4.0
98016	[WBID1171579123] when open EE including CSE with inactive labels
98564	It is not possible to initialize ES595 if only Ipetronik is configured
98653	Renaming of Device name in HWC doesn't work with Umlaut (ä, ö, ü) for

	CSM - OHI integration corrected
100744	ES5xx - CAN-Monitoring Reconnect does not work after Ethernet was disconnected
335355	For special Slew it is not possible to add them to Measure Window
337558	The description for the ETK parameter "ETK steal measurement rasters" is not complete in the Hardware Editor
340153	Osci: Unexpected graphical representation from the axis if axis position is right
341035	[NetWBID2869734893] when using special characters in VSD for renaming widgets
346737	[WBID1188624608] when delete device in ee->hwc (special workspace)
347075	[WBID59071569] while opening INCA Experiment via EE
347545	INCA cannot handle Japanese folder names correctly in DBM
349096	[WBID1309351448] System error during MCE label configuration Note: Requires INCA AddOn MCE V2.0.1 (part of INCA 7.1SP1)
349605	Japanese AUTOSAR CAN DB file is not read correctly
349672	Window focus is changed in experiment when switching layers
350047	Invalid CAN variable is displayed in the VSD
350454	Fixed strings are used in help text of "Monitor bounds visualization" item
351057	Possible to add 2 XCP projects with different baud rates into one CAN controller
351465	[WBID976644063] When assigning project to workspace
351709	CDM Korean file name is not supported.
351870	[WBID1811049737] System error during INCA session
351974	NLS strings for ASAP2 reuse messages are not displayed
352244	"Format" value in the CDM will be emptied after new configuration
352642	[WBID2614014563] when calibrating in EE
352665	XCPonCAN : fail to assign multiple DAQ to single EVENT
352697	Inconsistent naming for old scope
352965	Some items on the Channel Details garbled Japanese characters
353252	[WBID448902737] CDM: The setting ASAM2MC of the compare mode leads to WB during lisinting of different items
353472	[WBID1030798313] if changing user options during EE open
353645	Inconsistent text in popup closing CDM in EE context
353699	XCP: Unknown MCE Error (MCE_ShadowDevice FW-ErrorCode: 0x80000000) Solution requires an update of the MCE Add-On (min. V2.0.1 required)
353717	Online documentation "Remaining recording time" inadequately described
353729	CDM compare output has to much space lines
353767	IPM Server NIC selection problem after HW power off/on cycle
353768	[WBID2292025523], [WBID2900964476] and [WBID526537052] OpenEE: WBs occures when adding an axis point after removing an axis point
353769	[NetWBID1380843749] after a sequence of actions
353848	New oscilloscope cannot separate variables having name differences by

	underscore
353956	View in CDM variable list changes when calibrating a lable
354002	[WBID500456574] when navigation in ECU view (special ECU)
354101	Slews: Slew behavior changed and icon is not being displayed on the proper data set
354189	Additional CAN Transmit device is added when perform replace
354344	INCA V7.0.0 [WBID2252893887] INCA V7.1.0 [WBID3914582808] when opening experiment
354446	[WBID4257230198] System error during adding a2l+hex in INCA
354565	INCA User-Option: Recorderformat = MDF4 , The ASAP3 Option-dialog returns an Error-Message on closing. "Error: Wrong Parameter "
354566	[WBID845251662] on attempt to open EE
354669	[WBID1049526310] if press Strg+5 in any combined editor of the experiment
354890	[NetWBID2805166059] Object reference not set to an instance of an object
355071	When selecting BOA hardware in BUSMASTER, the hardware is not found
355262	SYS_CONST not visible in ASAP2 Editor
355263	MCD 3 MC V2.2 : Internal Error bei IMCCollectors.Add
355334	[WBID971617169] when trying to save DB>4GB as Inca 5/6 DB
355441	[WBID1830517044]after using Create Empty Dataset
355529	IPM: DHCP-Check when the DHCP Server provides IP addresses in the APIPA range reserved by Microsoft The check is switched off (like INCA V7.0.0HF14 and former versions). The pre-condition is, that the NIC used for IPM Server has the IP address in APIPA range (169.254.0.1 - 169.254.255.254).
355604	After saving an experiment the modified values are getting lost
355609	Issue changing values of curve and scalar parameters
355641	Wrong direction of changing phys value
355683	[WBID4084274371] Osci corrupts experiment
355748	Adaptation of the CAN wrapper of the CSM AddOn for INCA V7.1
355826	LimitedEMU: Upload has different HEX data than expected
355862	[NetWBID167725091] when open customers project EE
355890	Searching for variable under "record only" does not list the searched variable on the right hand side of variable select window
355891	[WBID3462124558] when opening the experiment
356055	Conversion file uses wrong ASAP2_VERSION
356192	Focus on wrong label when moving labels using Alt+F10
356199	Server Busy message and Walkback encountered when using UFE "Force Running Reset"
356343	Wrong timestamp in the recording of CAN bus with ES690 and 3rd Party AddOn
356426	The configuration of the Ethernet adapter has changed
356462	INCA V7.1.0 and immediate MDA V7.1.0 Installation is not possible - Solved

	with MDA V7.1.1
356465	Reconnection fails if at first startup of Workspace the HW was not present
356490	[WBID3507640661] when init ETK S6
356559	Not possible to initialize connected modules (ES581.3, Vector Cancase VN1630)
356586	A1b.DK: The provided binaries in the subfolders of XML are not up-to-date Note: Shipped with an updated INCA HWI-DK-Product (7.1)
356587	A1b.DK: Extend the package by a new example and adapt the current documents to them Shipped along with INCA HWI-DK - synchronized with INCA V7.1 SP1.
356594	VSD - difficult to read color combinations (text / background) for raster info
356598	[WBID715207463] when switching to working page
356615	CDM output folder is changed without intention of the user
356621	Update from "About Info" does not work correctly when CDM and Label Viewer is at the same time visible
356641	Connection to ECU broken after automatic firmware check
356654	INCA SP Installer V1.0: Improve English phrasing
356667	Command PARAMETER FOR VALUE AQUISITION changes Raster of measurement in EE
356915	INCA SP Installer V1.1: Support of INCA V7.1 Service Packs with INCA V7.1.x/INCA V7.1.x AddOn installations
357075	Flashing UDS fails (customer-project)
357107	Database folder, file name not supported Korean typing
357131	CDM WBs ([WBID2415885070], [WBID4035783185]) after API-Access
357188	IPM Server configures ETAS network in the last known CN subnet address range
357210	XCP-Download to working page (WP) is not possible
357255	Focus is changed in VSD
357377	LimitedEMU: ETK-S4.2C page switch error, when using DRA page switching with zero active calibration handles
357384	LimitedEMU: ETK-S4.2c: Target Server crash when LERT is deleting active calibration handles from ETK driver
357389	[NetWBID1387878443] Walkback when attempt to launch help from Recording tab of Recorder Configuration
357926	2d representation of curve is wrongly initialized
358399	Connected modules are not initializable (ES581.3, ES590)
358625	[WBID177740905] when opening experiment
358635	Naming conflict in German about the CDM in experiment environment
358706	J2534: System Error occurs if you select the J2534 device on the HWC
358761	Feature: XCP on Ethernet Flashing
358768	VSD selection performance is not linear
358772	Make timeout for XCP Program_clear configurable in the Prof configuration

358790	OpenEE: Pasting a valid scalar value in a customer instrument is not working
358995	LimitedEMU: Error connecting INCA/LERT V2 to ETK configured with LERT V3
358999	LimitedEMU: TgtSvr Crash when connecting INCA LERT V2 with ETK configured with LERT V3
359068	[NetWBID2371750740] can occur when changing border to polygon during visualsition
359074	All variables are kicked out and missing message "<GMHM Error>ETKC:1 not connected Communication error" when open special workspace
359133	[WBID1995202784] when adding some special variables to EE
359164	[WBID3459799566] INCA V7.1.0 System error opening Experiment
359167	[WBID23588784] INCA V7.0.0: System error opening Experiment
359168	Not able to read information text in pop up window
359219	[WBID1755757732] When adding some special labels to experiment
359293	[WBID2375067316] when adding some special variables to EE
359313	LimitedEMU: LERT_V3_GET_MEMORY returns handle with ID -1
359362	[WBID172707040] when clicking on a special layer in converted ee
359411	[WBID2353725686] when starting visualization
359607	[WBID2818652063] when adding some variables belonging to ETKC device to EE
359619	[WBID2131658443] WB while re-grouping of ECUs
359626	Drawings are disappearing when osci is stopped and zooming into drawing area
359724	VSD: automationId for search text box not available
359761	Undo from Calibration Actions in the Scalar Table Editor does not work for Grouped Devices
359811	INCA SP Installer V1.0: Installer hangs if access to installation is broken
359924	CSM Addon for 7.1.0 does not install with INCA 7.1.1 (INCA 7.1 SP1) Note: Requires an updated version of the CSM-Addon (tested with V2.33)
360408	[WBID91755544] EtasSlewingToolbox - after selecting special Project Requires also an update of Slewing Add-On
360417	[WBID1167443177] after reading same Data Transfer File again as source
360477	INCA-EIP V7.1.0: Tables are removed from Experiment when saving without HW connection
360539	XETK_S4.2 ETKAccessDll exception occurs when XETK S4.2 is initialized
360688	ETK reconfigure dialog blocks regressions tests and causes unexpected behavior and ETK status
360880	[WBID3329588264] when reading in DCM files into Exp
360943	LimitedEMU: Correct Package for LERT V3 is missing or not installed correctly in INCA V7.1.1 beta 3
360956	OpenEE: [WBID2818652063] when copying a variable from a customer instrument to a combined editor
361036	Slews: Slew behavior changed and icon is not being displayed on the proper

	data set
361151	[WBID2818652063] When adding calibration variables to experiment
361193	[WBID1600904071] when trying to open EE containing some customer instruments
361195	Measurement with XCP not possible with CPC-NG (ECU) and INCA V7.1.0
361253	[WBID3245040113] when changing source dataset in CDM if inline editor is displayed
361293	System error while loading a new DCM
361294	[WBID1167443177] when deleting variables in CDM if inline editor is in use
361333	"Internal error during restoration of recording files!" or "etas target server recover file dialog" after successful multirecording saving, close and reopen EE (MDF3 indexing off)
361338	INCA switches wrongly the calibration page after flashing
361465	Flashing with ES580 and Inca V7.1.0 is not possible
361786	[NetWBID2805166059] WB while ALT-T from new oscis
362102	[WBID2935521719] when try to open special EE
362123	CDM: After using Filter in CDM the About Info and the Inline Editor was not updated
362181	[WBID2375067316] when try to add special label to EE
362220	[NetWBID2243372993] when try to change multi selected messages for a Measure Window via VSD
362318	[WBID3269616446] Memory optimization message and walkback when open and close experiment multiple times
362614	INCA SP Installer V1.1.0.x beta: The SP installer in "JP" folder do not find INCA V7.1.0
362630	Calibration Page is wrongly switched after flashing
362633	"Show Data Freeze message box" typo in option description
362769	[WBID136555192] when try to create old YT osci together with a border
362830	OHI Error Message when try to open EE with Lin Device Note: Requires INCA Add-On LIN V7.1.1 (part of INCA V7.1SP1)
362927	Possible that FlexRay EE is not usable because no label is available Note: Requires INCA Add-On FlexRay V7.1.1 (part of INCA V7.1.0SP1)
363129	ASAP3.exe System error when starting Client Setup
363410	[WBID3858905214] whenever I try to read ECU project via eCDM Note: Requires INCA AddOn QMBasic V7.1.1 (part of INCA V7.1 SP1)
363432	[WBID927381850] when starting a Copy action Note: Requires the INCA AddOn QMBasic V7.1.1 (part of INCA V7.1SP1)

363440	Limited EMU RAM - enhancement with INCA V7.1 SP1 Support of variable section size (see also What's New slides of INCA V7.1 SP1) - different overlay sizes - dynamic calculation of different overlay sizes - free no longer used overlay sections
363443	eCDM Performance Improvement for INCA V7.1 SP1 Better Performance for data exchange of A2L + Hex + CDF file
363498	ES590: XCP Measurement not longer working
363510	[WBID1830318832] after removing Rescale Pair from a Rescale Axis Pairs used by Grouped Devices
363521	eCDM: WB [WBID4035878948] when starting a list action to an ECU project read via eCDM
363682	[WBID875378039] (INCA V7.1.0)/ [WBID2704107310] (INCAV7.0) INCA crashes at "List"or "Compare" action in CDM
363824	[WBID3972003626] occurs when starting copy action
364077	IPM server package 16.1.6 or 16.1.7 not registered
364177	Icon of OnlineFirmwareCheck incorrect in HWC for ES592/ES593/ES595/ES581
364292	INCA freeze while working in VSD
364299	[WBID1478058315] on attempt to read the CAN-db
364303	[WBID172707040] while working in the EE
1003923	In VSD, the raster percent fill is not displayed
1004035	Cannot add variables from GMLan with experiment in offline mode
2011405120	[WBID3235928131] using IPETRONIK AddOn in INCA
2011405437	[WBID2252893887] using experiment with IPETRONIK AddOn
2011406089	Compare is not executed in background task
2012404411	[WBID1524229236] System Error on deleting ETK or device in EE
2012404490	Layer tab-width gets wider on Windows7 (Japanese display language)
2012405330	API-Tool cmd SetDoublePhysValue return code incorrect
2012405629	INCA switches page after Flashing ECU
2012406097	By using a triggered measurement with lead time listening to the generated data file for certain measures the time stamps on about 10s before

6 Contact, Support and Problem Reporting

For details of your local sales office as well as your local technical support team and product hotlines, take a look at the ETAS website:

ETAS subsidiaries	WWW:	www.etas.com/en/contact.php
ETAS technical support	WWW:	www.etas.com/en/hotlines.php